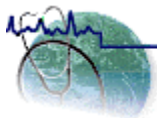


How IWI has changed

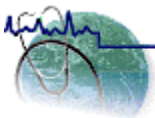
Comparing IWI Release 1.3
(April 1999) from Release 1.2
(Sept 1998)



IWI Rollup Map

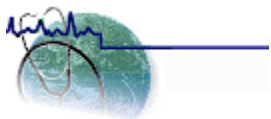
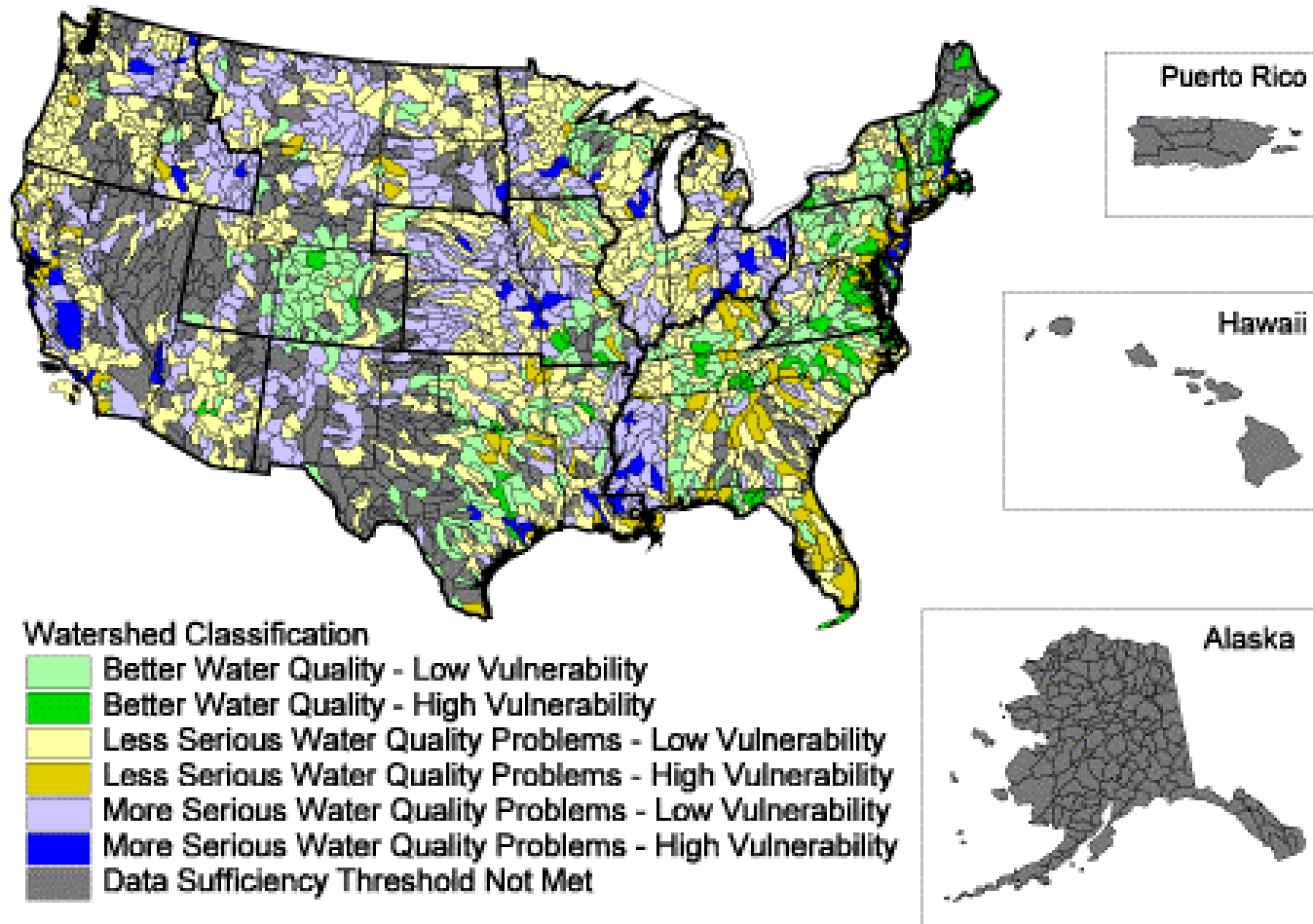
Release 1.2 (Sept. 1998) vs. Release 1.3 (April 1999)

- IWI Data Layer Updates
 - Updates of IWI data layers 1, 3, 5, 6, 9, 10
- Incorporate New Data Layer
 - Atmospheric Deposition Release 1.3
- Change Algorithm
 - Change rollup breakpoint and data sufficiency threshold
- Change Color Scheme



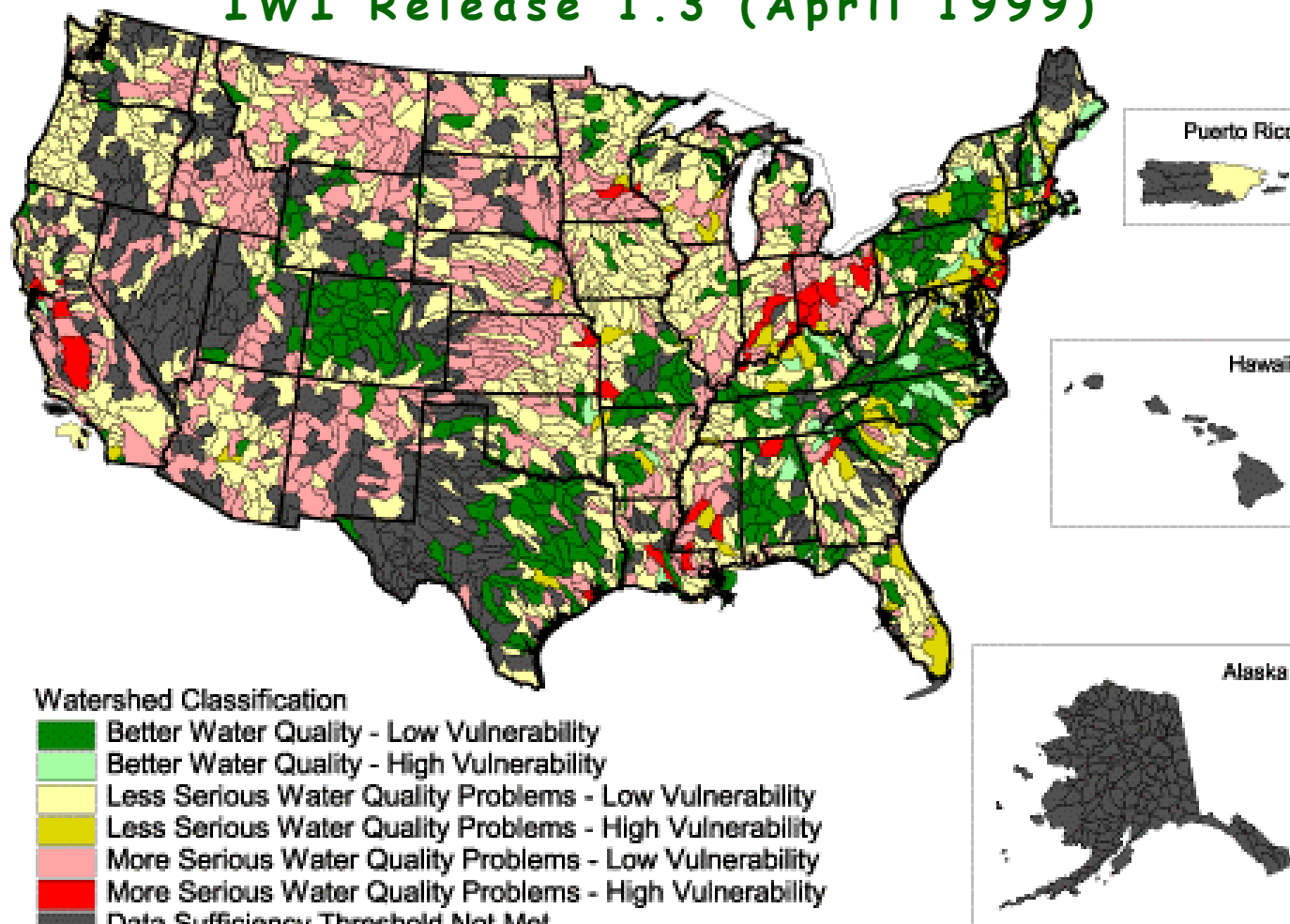
Overall Watershed Map

IWI Release 1.2 (Sept 1998)

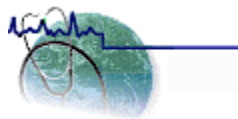


Overall Watershed Map

IWI Release 1.3 (April 1999)



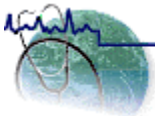
Note: Rollup includes atmospheric deposition data layer with changes in rollup breakpoints and data sufficiency



Summary Score Table

Release 1.2 (Sept. 1998) vs. Release 1.3
(April 1999)

Category	v 1.2	v 1.3 (a)	v 1.3 (b)	v 1.3 (c)
Better WQ - Low Vuln	276	301	306	303
Better WQ - High Vuln	52	34	82	31
Less Serious WQ - Low Vuln	708	733	682	739
Less Serious - High Vuln	103	66	117	60
More Serious WQ - Low Vuln	458	478	453	480
More Serious WQ - High Vuln	49	38	63	36
Insufficient Data	615	612	558	612



Summary Score Table

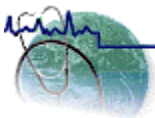
Release 1.2 (Sept. 1998) vs. Release 1.3

Category	1998 release	1999 release
Better WQ	328	334
Less Serious WQ	811	799
More Serious WQ	507	516

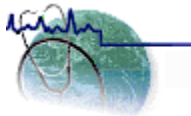
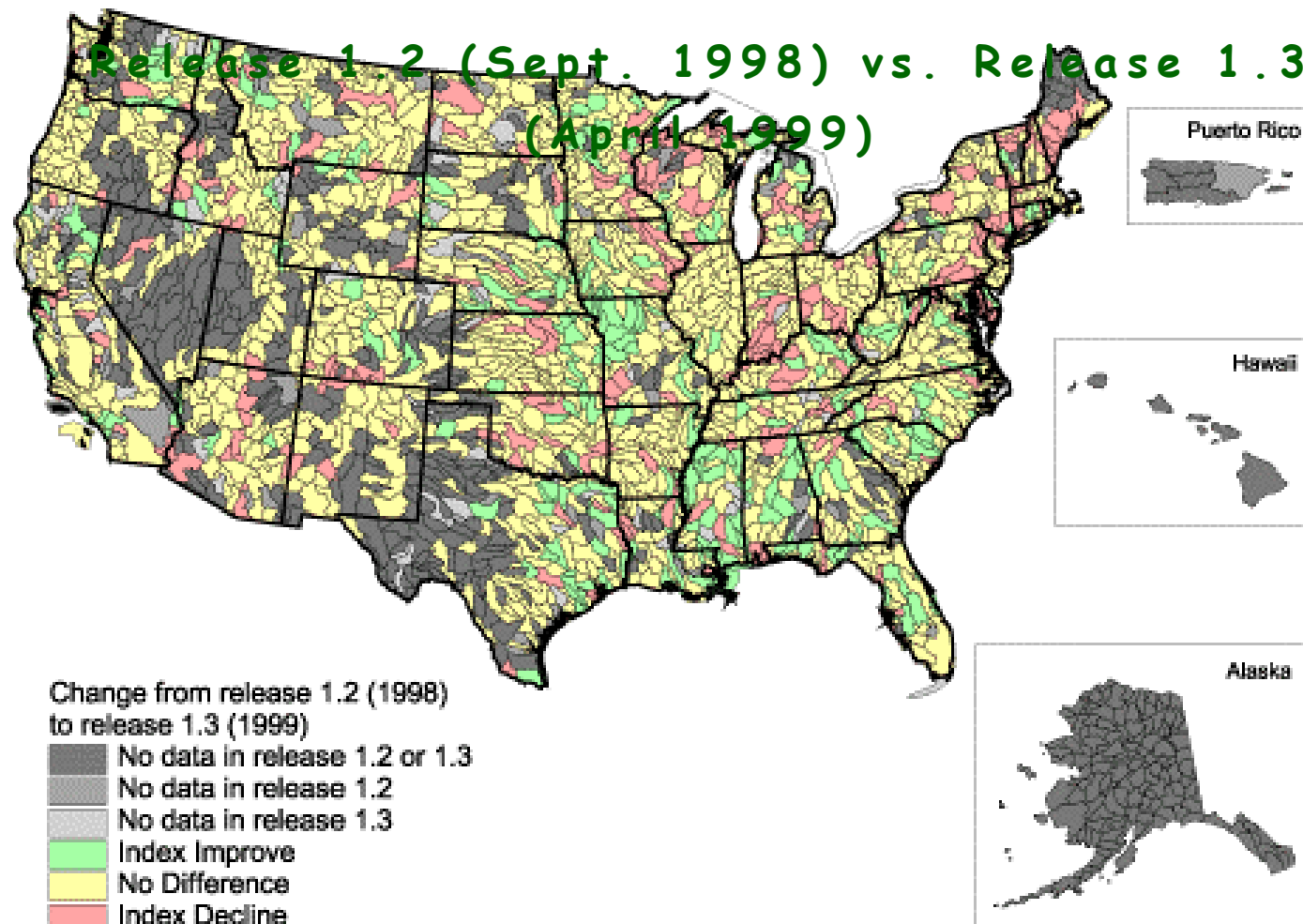
* watersheds with less serious water quality problem in 1998 becomes better or more serious in 1999

Category	1998 release	1999 release
Low Vulnerability	1442	1522
High Vulnerability	204	127

* number of watersheds with low vulnerability increased significantly



Overall National Difference Map



Summary Difference Score Table

Release 1.2 (Sept. 1998) vs. Release 1.3
(April 1999)

Category	IWI 9	IWI 10
Improvement	91	26
No Change	1048	1308
Decline	74	18

- * more watersheds improved in terms of PCS loading (both toxic and conventional)

